Utah's Hemoglobinopathy IEF Screening Result Table

Hemoglobin IEF Results	Explanation	Clinical Manifestations	Recommendations
FA	Normal	None	None
AF	May be normal for age or Specimen was collected <i>after</i> blood transfusion was given	None	Repeat screen 120 days after last transfusion
FS (no A)	Possible Sickle Cell disease (Hb SS) or Sickle β -thalassemia	Moderate to Severe	Education & genetic counseling With confirmation - Hematology Consultation
FSA	Possible Sickle Cell disease (Hb SS) or Sickle β -thalassemia BLOOD TRANSFUSION GIVEN	Mild to Moderate	Education & genetic counseling With confirmation - Hematology Consultation
FAS	Possible Sickle cell trait (carrier)	Asymptomatic	Education & genetic counseling
FSC (no A)	Possible Sickle C disease (Hb SC)	Moderate to Severe	Education & genetic counseling With confirmation - Hematology Consultation
FC (no A)	Possible Hemoglobin C disease or Hemoglobin C β -thalassemia	Mild hemolytic anemia	Education & genetic counseling With confirmation - Hematology Consultation
FE (no A)	Possible Hemoglobin E disease or Hemoglobin E β -thalassemia	Mild hemolytic anemia	Education & genetic counseling With confirmation - Hematology Consultation
FAC FAE FAD FAU (slow) FAU (fast)	Possible Hemoglobin trait (carrier) Unidentified slow migrating band Unidentified fast migrating band	None to mild anemia	Education & genetic counseling
FABARTS	Possible Silent alpha thalassemia carrier, Alpha thalassemia carrier, or Hb H disease	None to mild anemia	Education & genetic counseling With confirmation of Hb H - Hematology Consultation

Hemoglobin is reported in order of amounts found in blood (example: FSA = F>S>A). Abbreviations: F = fetal hemoglobin S = sickle hemoglobin A = adult hemoglobin $\beta = \text{Beta}$ All abnormal screening results must be confirmed.

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